

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/006975

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B37/06 E21B43/14 E21B43/20 C23F11/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K C23F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 379 612 B1 (REIZER JAMES M ET AL) 30 April 2002 (2002-04-30) columns 3-5; claims 1-20 -----	1-11
A	US 6 312 644 B1 (MORIARTY BARBARA E ET AL) 6 November 2001 (2001-11-06) claims 1-17; examples 1-5 -----	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

10 March 2005

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17/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Wengeler, H

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6379612	B1	30-04-2002	US 2002150499 A1 17-10-2002
		BR 9902995 A 09-05-2000	
		CA 2277681 A1 27-01-2000	
		EP 0976911 A1 02-02-2000	
		NO 993626 A 28-01-2000	
US 6312644	B1	06-11-2001	AU 1773001 A 25-06-2001
		DE 60015800 D1 16-12-2004	
		EP 1242559 A1 25-09-2002	
		JP 2003529553 T 07-10-2003	
		WO 0144403 A1 21-06-2001	